

Executive Summary Report

SMOG CHECK Statewide

December 2008

1. Testing Volume

	All Tests	Failed	Percent (%) Failed
Initial Test	710,372	90,772	12.78%
Total	818,770	115,540	14.11%

2. Certification Volume

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	606,973	85.44%	103,399	14.56%
Total	686,280	83.82%	132,490	16.18%

2a. Certification Volume (Test Only)

	Certificates Issued	Percent (%) Certificates Issued	No Certificates Issued	Percent (%) No Certificates Issued
Initial Test	373,147	85.80%	61,769	14.20%
Total	422,877	84.93%	75,008	15.07%

3. Initial Test Failures by Failure Type

	Failed	Percent (%) Failed
Gross Polluters	13,643	1.92%
All Emissions	44,193	6.22%
All Visual	11,020	1.55%
All Functional	29,898	4.21%
OBDII	33,411	4.70%
Overall	90,772	12.78%

4. Initial Test Failures by Program Area

Program Areas	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Enhanced	569,544	73,435	12.89%	10,865	1.91%
Partially Enhanced	34,394	5,119	14.88%	781	2.27%
Basic	66,121	7,941	12.01%	1,270	1.92%
Change of Ownership	4,451	703	15.79%	174	3.91%
No Program	3	1	33.33%	0	0.00%
Unknown Program	35,859	3,573	9.96%	553	1.54%
Total Program Area	710,372	90,772	12.78%	13,643	1.92%

5. Initial Test Failures by Station Type

Station Types	Initial Tests	Failed	Percent (%) Failed	Gross Polluters	Percent (%) Gross Polluters
Test Only	434,916	59,907	13.77%	9,446	2.17%
Regular	206,653	19,639	9.50%	2,483	1.20%
Basic Area Dealer	3,848	212	5.51%	21	0.55%
Gold Shield in Enhanced Area	52,947	8,890	16.79%	1,279	2.42%
Gold Shield in Basic Area	5,518	997	18.07%	180	3.26%
Gold Shield in COO Area	3,546	504	14.21%	122	3.44%
Business Fleet	31	0	0.00%	0	0.00%
Permanent Fleet Registered	44	7	15.91%	1	2.27%
Referee	857	441	51.46%	85	9.92%
Government Fleet	2,011	175	8.70%	26	1.29%
Unknown Privilege	1	0	0.00%	0	0.00%
Total	710,372	90,772	12.78%	13,643	1.92%

5.a. Initial Tests at Test-Only Stations

	Initial Tests	Certificates Issued
Volunteers	214,517	191,181
Directed Vehicles	220,399	181,966
Total	434,916	373,147

5.b. Initial Tests at Gold Shield Stations

	Initial Tests	Certificates Issued
Volunteers	44,887	37,477
Directed Vehicles	17,124	12,949
Total	62,011	50,426

6. Initial Tests by Vehicle Model Year

Model Year	Initial Tests	Failed Overall	Percent (%) Failed Overall	Percent (%) Failed Emissions	Percent (%) Failed Gross Polluters	Percent (%) Failed Functional	Percent (%) Failed Visual	Percent (%) Failed OBDII
MY-1972	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1973	1	0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
MY-1974	3	1	33.33%	0.00%	0.00%	33.33%	33.33%	0.00%
MY-1975	8	2	25.00%	12.50%	12.50%	12.50%	12.50%	0.00%
MY-1976	1,066	308	28.89%	19.42%	8.91%	17.73%	7.60%	0.00%
MY-1977	1,472	459	31.18%	19.63%	9.78%	21.33%	10.46%	0.00%
MY-1978	1,708	466	27.28%	16.16%	7.20%	17.74%	8.14%	0.00%
MY-1979	1,929	633	32.81%	20.06%	9.38%	22.08%	9.80%	0.00%
MY-1980	1,306	386	29.56%	19.22%	9.88%	19.53%	9.42%	0.00%
MY-1981	1,416	456	32.20%	23.80%	11.23%	18.86%	7.91%	0.00%
MY-1982	1,707	557	32.63%	23.90%	11.19%	20.27%	8.79%	0.00%
MY-1983	2,085	636	30.50%	22.64%	10.50%	17.51%	7.91%	0.00%
MY-1984	4,091	1,282	31.34%	24.47%	12.49%	17.89%	7.50%	0.00%
MY-1985	5,497	1,626	29.58%	21.90%	9.97%	16.92%	7.22%	0.00%
MY-1986	7,826	2,202	28.14%	20.32%	9.57%	15.95%	5.98%	0.00%
MY-1987	10,175	2,860	28.11%	21.11%	8.44%	15.25%	5.36%	0.00%
MY-1988	10,916	2,947	27.00%	19.54%	7.50%	14.95%	4.85%	0.00%
MY-1989	15,113	3,683	24.37%	17.26%	6.02%	13.90%	4.04%	0.00%
MY-1990	18,228	4,086	22.42%	15.77%	5.61%	12.39%	3.42%	0.00%
MY-1991	21,585	4,580	21.22%	15.12%	5.21%	11.40%	2.70%	0.00%
MY-1992	20,472	4,045	19.76%	13.88%	4.70%	10.45%	2.67%	0.00%
MY-1993	25,153	5,523	21.96%	16.25%	4.11%	10.45%	2.73%	0.00%
MY-1994	30,979	5,885	19.00%	12.38%	2.87%	9.96%	2.26%	0.00%
MY-1995	35,559	5,868	16.50%	11.05%	2.54%	7.95%	2.09%	0.00%
MY-1996	37,649	6,586	17.49%	6.75%	1.22%	1.74%	1.46%	12.30%
MY-1997	40,556	6,029	14.87%	5.39%	1.08%	1.58%	1.15%	10.65%
MY-1998	52,165	6,069	11.63%	3.53%	0.62%	1.00%	0.79%	8.74%
MY-1999	50,979	4,636	9.09%	2.05%	0.41%	0.74%	0.75%	7.26%
MY-2000	75,293	6,691	8.89%	1.56%	0.38%	0.78%	0.65%	7.38%
MY-2001	60,603	3,887	6.41%	0.76%	0.18%	0.51%	0.43%	5.53%
MY-2002	83,761	5,546	6.62%	0.67%	0.20%	0.61%	0.48%	5.84%
MY-2003	53,525	1,702	3.18%	0.29%	0.08%	0.28%	0.22%	2.67%
MY-2004	12,486	440	3.52%	0.26%	0.09%	0.37%	0.24%	3.06%
MY-2005	10,870	400	3.68%	0.29%	0.11%	0.17%	0.28%	3.19%
MY-2006	5,268	153	2.90%	0.25%	0.06%	0.30%	0.30%	2.33%
MY-2007	3,997	74	1.85%	0.05%	0.00%	0.15%	0.03%	1.68%
MY-2008	4,302	60	1.39%	0.05%	0.02%	0.26%	0.19%	1.02%
MY-2009	622	8	1.29%	0.00%	0.00%	0.00%	0.16%	1.13%
All Model Years	710,372	90,772	12.78%	6.22%	1.92%	4.21%	1.55%	4.70%

7. Referee Activity

	Certificates Issued
Certificate of Compliance	690
Certificate of Non Compliance	1
Parts Cost	111
Hardship Extensions	283
Exempt Vehicle	37
Exempted by Directive	151
Parts Exemption	5
Unknown Outcome	0
Permanently Exempt Vehicle	0
Temporarily Exempt Vehicle	0
	1,278

8. Active Stations

	Station Count
Licensed Stations that did not Conduct a Test	1,111
Stations Locked-Out at Least Once	136
Stations Conducted at Least One Test	7,146

9. Active Technicians

License Type	Endorsement	Technician Count	Daily Average
EA	Both Endorsement	9,815	5,521
EA	Gas Endorsement	8	0
EB	Both Endorsement	53	0
EB	Gas Endorsement	520	0
GU	Both Endorsement	20	0

10. Inspection Costs

	ASM Initial Test Count	Avg ASM Inspection Cost	TSI Initial Test Count	Avg TSI Inspection Cost	Total Initial Tests	Overall Average Inspection Cost
Test Only	381,880	49.38	47,718	50.60	429,598	49.51
Test and Repair	132,147	47.33	72,318	46.77	204,465	47.14
Test and Repair Dealer	13	68.46	3,835	50.67	3,848	50.73
Referee	411	30.00	135	30.00	546	30.00
Gold Shield in Enhanced Area	41,347	48.81	11,516	45.81	52,863	48.16
Gold Shield in Basic Area	0	0.00	5,518	38.36	5,518	38.36
Gold Shield in COO Area	21	55.90	3,525	51.31	3,546	51.33

11. Repair Costs

Repair Type	All Cost Ranges	Repair Count	Average Cost	(All Cost Ranges) Repair Count	(All Cost Ranges) Average Cost
Regular Repairs	\$0-50	6,546	21.98	21,082	204.50
	\$51-150	5,487	100.41		
	\$151-250	3,342	200.50		
	\$251-450	3,401	337.49		
	Over \$450	2,306	779.98		
CAP Repairs	\$0-50	102	22.54	4,313	386.80
	\$51-150	261	108.62		
	\$151-250	477	204.41		
	\$251-450	1,589	356.08		
	Over \$450	1,884	517.16		
Total Repairs	\$0-50	5,404	22.17	22,100	270.57
	\$51-150	4,318	100.61		
	\$151-250	3,392	201.58		
	\$251-450	4,490	344.20		
	Over \$450	4,496	710.89		

12. CAP Repair Costs

	Total Vehicles	Average Repair Cost
CAP Repairs	4,050	386.80

13. Drill-Through

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Gold Shield in Enhanced Area	5	3	1	0	0	1	2	1
Acceleration Simulation Mode (ASM)	Basic	Test and Repair	44	4	0	0	1	1	2	1

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Acceleration Simulation Mode (ASM)	Basic	Test Only	44	8	1	0	5	2	2	0
Acceleration Simulation Mode (ASM)	Change of Ownership	Referee	0	1	1	0	0	1	1	1
Acceleration Simulation Mode (ASM)	Enhanced	Gold Shield in Enhanced Area	29,050	6,501	931	325	2,375	3,257	2,154	825
Acceleration Simulation Mode (ASM)	Enhanced	Government Fleet	0	77	6	2	33	29	23	6
Acceleration Simulation Mode (ASM)	Enhanced	Referee	262	285	50	109	73	140	70	140
Acceleration Simulation Mode (ASM)	Enhanced	Test and Repair	91,712	9,124	956	462	4,893	3,400	2,259	894
Acceleration Simulation Mode (ASM)	Enhanced	Test Only	310,692	52,716	8,279	2,891	17,220	28,872	17,801	6,370
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in COO Area	1	1	1	0	0	1	1	0
Acceleration Simulation Mode (ASM)	Partial	Gold Shield in Enhanced Area	2,624	691	85	39	238	341	244	82
Acceleration Simulation Mode (ASM)	Partial	Referee	11	27	8	10	6	15	13	19
Acceleration Simulation Mode (ASM)	Partial	Test and Repair	14,315	2,597	375	167	786	1,350	943	334
Acceleration Simulation Mode (ASM)	Partial	Test Only	8,163	1,494	257	77	471	820	500	168
Acceleration Simulation Mode (ASM)	Unknown Program	Gold Shield in Enhanced Area	1,433	262	45	19	109	127	71	34
Acceleration Simulation Mode (ASM)	Unknown Program	Government Fleet	0	48	3	0	19	28	2	0
Acceleration Simulation Mode (ASM)	Unknown Program	Referee	33	24	5	7	2	15	9	12
Acceleration Simulation Mode (ASM)	Unknown Program	Test and Repair	9,753	989	123	52	457	428	282	119
Acceleration Simulation Mode (ASM)	Unknown Program	Test Only	9,910	1,467	244	106	617	758	418	209
Two Speed Idle (TSI)	Basic	Gold Shield in Basic Area	3,933	913	165	81	264	347	389	169
Two Speed Idle (TSI)	Basic	Gold Shield in COO Area	359	62	14	4	25	24	22	8
Two Speed Idle (TSI)	Basic	Gold Shield in Enhanced Area	4,521	790	116	48	242	234	358	166
Two Speed Idle (TSI)	Basic	Government Fleet	0	18	8	0	5	10	4	0

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Basic	Referee	27	49	7	27	6	12	21	39
Two Speed Idle (TSI)	Basic	Test and Repair	38,221	5,003	779	259	1,709	1,666	2,161	572
Two Speed Idle (TSI)	Basic	Test and Repair Dealer	2,802	185	20	7	71	54	74	23
Two Speed Idle (TSI)	Basic	Test Only	6,062	905	159	42	367	335	316	96
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Basic Area	42	9	2	0	3	4	4	1
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in COO Area	1,453	302	77	19	47	168	140	42
Two Speed Idle (TSI)	Change of Ownership	Gold Shield in Enhanced Area	175	41	16	3	11	25	16	8
Two Speed Idle (TSI)	Change of Ownership	Referee	2	6	2	3	0	2	4	4
Two Speed Idle (TSI)	Change of Ownership	Test and Repair	1,322	203	43	15	59	85	95	33
Two Speed Idle (TSI)	Change of Ownership	Test and Repair Dealer	19	3	0	0	2	1	1	0
Two Speed Idle (TSI)	Change of Ownership	Test Only	669	138	33	7	41	61	53	14
Two Speed Idle (TSI)	Enhanced	Gold Shield in Basic Area	238	25	5	1	16	8	7	2
Two Speed Idle (TSI)	Enhanced	Gold Shield in COO Area	383	36	8	0	19	12	10	6
Two Speed Idle (TSI)	Enhanced	Gold Shield in Enhanced Area	4,359	494	61	24	274	117	157	60
Two Speed Idle (TSI)	Enhanced	Government Fleet	0	19	4	0	8	7	4	0
Two Speed Idle (TSI)	Enhanced	Permanent Fleet Registered	16	4	1	0	1	2	3	0
Two Speed Idle (TSI)	Enhanced	Referee	48	35	6	18	15	11	6	23
Two Speed Idle (TSI)	Enhanced	Test and Repair	17,782	1,176	130	76	705	245	301	126
Two Speed Idle (TSI)	Enhanced	Test Only	34,006	2,926	428	143	1,688	833	602	270
Two Speed Idle (TSI)	Partial	Gold Shield in Basic Area	32	6	0	0	1	3	2	0
Two Speed Idle (TSI)	Partial	Gold Shield in Enhanced Area	327	34	10	2	10	17	15	4
Two Speed Idle (TSI)	Partial	Test and Repair	1,833	180	31	11	88	61	45	18
Two Speed Idle (TSI)	Partial	Test Only	900	82	14	5	38	31	22	15
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Basic Area	200	44	8	3	17	14	20	6
Two Speed Idle (TSI)	Unknown Program	Gold Shield in COO Area	711	98	22	8	34	38	43	18
Two Speed Idle (TSI)	Unknown Program	Gold Shield in Enhanced Area	538	74	14	3	31	26	25	9
Two Speed Idle (TSI)	Unknown Program	Government Fleet	0	13	5	0	7	5	4	0
Two Speed Idle (TSI)	Unknown Program	Referee	23	12	6	4	3	6	5	9
Two Speed Idle (TSI)	Unknown Program	Test and Repair	4,429	363	46	23	185	86	126	39

	Program Areas	Station Types	Certificates Issued	Total Failed	Gross Polluters	Tampered	All OBD-II Failed	All Emission Failed	All Functional Failed	All Visual Failed
Two Speed Idle (TSI)	Unknown Program	Test and Repair Dealer	314	8	1	0	5	1	3	1
Two Speed Idle (TSI)	Unknown Program	Test Only	2,693	170	31	12	90	56	37	20